REMARKS

Drawings

Applicant hereby resubmits formal drawings correcting the informalities as indicated in the "Notice of Draftperson's Patent Drawing Review," PTO-948 attached to the office action.

Acknowledgement of Allowed Claims

Applicant acknowledges that claims 1-13 have been allowed.

Comments Regarding Amendments to the Claims

Claims 10, 23, and 24 have been amended to correct for typographical errors. In claims 10 and 24, "mutiple" has been changed to read "multiple." In claim 23, "alteranting" has been changed to read "alternating."

Claim 14 has been canceled. Claim 15 has been rewritten by incorporating the subject matter of canceled claim 14.

Rejection - 35 U.S.C. 102(b) and Objected Claims

The Examiner has rejected claim 14 under 35 U.S.C. 102(b) as being anticipated by Hoffman et al (US 6,117,854). In reply, Applicant has canceled claim 14 and rewritten claim 15 as an independent claim, incorporating the subject matter of the canceled claim 14. As such, claims 15-27 are now based on an allowable base claim. Their objection has been overcome.

Support for Newly Added Claims

Claims 28-31 are added. Support for new claims can be found throughout the specification, and in particular in Fig. 1, page 6, line 4-page 7, line 18.

With regard to prior art reference Hoffman (US 6,117,584), it fails to teach at least a cooling fin comprising of a flat area and a corrugated area. Hoffman discloses in Fig. 10A and 10B a thin thermal conductor (102) attached to an edge of a battery. Thermal conductor 102 is without a flat area or a corrugated area (col. 7, lines 55+). Furthermore, thermal conductor 102 is not attached to the flat surface area on the cell.

Applicant points out that none of other cited references teaches the same limitation in the newly added claims. For example, EP 0 736226 B1 teaches a thermal conductive plate (62a of Fig. 1, col. 7, line 53 - col. 8, line 4), but fails to disclose a flat area and a corrugated area and attached to the cell in the same manner/configuration as claimed in claims 28-31. Gauthier (US Pat 6,099,986) employs the same scheme for cooling as Hoffman (compare Figs. 1A and 1B of Gauthier to Figs. 10A and 10B of Hoffman). Earl et al (US Pat 5,354,630) discloses a ring-shaped heat transfer member 21 (Fig. 2, col. 4, lines 33-64). EP 0673 553 B1 is derived from same application as Earl and discloses the same subject matter. Molyneux (US Pat 5,382,480) discloses a heat transfer mechanism including fins 34 and 63 (col. 4, lines 42-50, Fig. 5). However, the fins are part of a mechanism that attaches only to the battery terminal and lacks the recited structures in the newly added claims. JP 08222280 A discloses a heat pipes having heat-dissipating fin but again lacks the recited structures in the newly added claims (see figure on cover page, elements 6-9). Finally, Tiedemann (US Pat 5,385,793) does not disclose cooling fins as means of cooling battery. Rather, Tiedemann employs cooling channels (abstract, col. 2, lines 28-35) to cool down the battery. Fig. 1 of Tiedemann shows pump 1020 pumping coolant

through these cooling channels (col. 4, lines 28-35).

CONCLUSION

The Examiner has allowed claims 1-13, rejected claim 14, and objected to claims 15-27. In reply, Applicant has canceled claim 14 and amended claim 15 to incorporate the subject matter disclosed in claim 14. Claims 28-31 have been added. Applicant is also supplying formal drawings as required by the draftperson's review. Applicant asserts that the present application is in a condition for allowance.

Respectfully submitted,

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